

SYSTEM AND METHOD FOR REALIZING TRANSACTIONS SUPPORTED BY A DIRECTORY ACCESS PROTOCOL

ABSTRACT OF THE DISCLOSURE

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A system and method for realizing transactions within an existing protocol for accessing information uses control information supported by the protocol for specifying transactional or non-transactional requests. This is achieved by adding controls, e.g. a transaction control and a transaction identifier (ID), to individual requests. The transaction control may be a control for opening or closing a transaction. The transaction ID identifies each individual request belonging to certain transaction. A transaction is opened by a client program by adding a transaction control with a value indicating a new transaction to the first request. Preferably, the server program generates a transaction ID for the opened transaction and sends back a return code containing the transaction ID. All subsequent requests belonging to that transaction are extended with the transaction ID by the client program. The transaction is closed by adding a transaction control with value indicating a commit or a rollback to the individual request. The inventive method and system are preferably used within LDAP using V3 controls.